## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

A	PPLICANT:	Orwar, et al.									
U	.S.S.N.:	Not Yet Assigned	Art Unit: Not Yet Assigned								
F	ILED:	Herewith	Examiner: Not Yet Assigned								
F	FOR: SYSTEM AND METHOD FOR OBTAINING AND MAINTAINING HIGH- RESISTANCE SEALS IN PATCH CLAMP RECORDINGS										
C P	Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450										
INFORMATION DISCLOSURE STATEMENT											
S	ir/Madam										
		CERTIFICAT	E OF MAILING								
I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail Label No. EV 343731527 US and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, Va 22313-1450 on August 20, 2003.  By:     By:											
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In		nt to 37 C.F.R. $\S\S$ 1.97 and 1. sclosure Statement for consident	98, applicant(s) hereby submit(s) an eration by the Examiner.								
I.	I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION										
The patents, publications or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.											
II.	. <u>COPIES</u>										
	a. <b>X</b>	(ii) each publication or th	egible copy of (i) each U.S and foreign patent; at portion which caused it to be listed; and (iii) nat portion which caused it to be listed.								
	b	Each of the patents, pub	ications or other information listed on the								

attached PTO-1449 was previously cited by or submitted to the USPTO in connection with U.S.S.N.: \_\_\_\_\_\_\_, to which the subject

Applicant: Orwar, et al.

Attorney Docket No. 58072 (47137)

application claims the benefit of the earlier filing date. As such, a copy of each is not included herewith pursuant to 37 C.F.R. § 1.98(d).

## CONCISE EXPLANATION OF THE RELEVANCE III.

(	спеск	at least one box)
a. <b>X</b>		Except as may be indicated below in (b), all of the patents, publications or other information are in the English language or were cited in an English language Search Report, a copy of which is attached hereto (concise explanation not required).
b		A concise explanation of the relevance of all patents, publications or other information listed that is not in the English language is as follows (following also previously cited by or submitted to the USPTO in connection with U.S.S.N.:
- - - -	<del></del>	English translation (partial) for reference English abstract for reference English translation of search report/ official communication. Copy of PCT/EPO Search Report.
c		The following additional information is provided for the Examiner's consideration:
	Co	py of EPO Search Report.  py of PCT Search Report.  py of Official Communication from the Patent Office.  glish translation of search report/ official communication.
		<u>FEES</u>
		BEING FILED UNDER 37 C.F.R. § 1.97(b)
(check	one be	ox)

## IV.

- within three months of the filing date of a national application (37 a. **X** C.F.R. § 1.97(b) (1)). No fee or certification is required.
- b. \_\_\_ within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b) (2)). No fee or certification is required.
- before the mailing date of a first Action on the merits (37 C.F.R. § c. \_\_\_ 1.97(b) (3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e)below, or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

V. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(c): (check one box) before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c) (1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c) (2)). No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. . § 1.17(p). See the certification below. No fee is required. b. CERTIFICATION UNDER 37 C.F.R. § 1.97(e) (check only one box) VI. The undersigned hereby certifies that each item of information contained in the IDS was cited in a a. \_\_ communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or b. \_\_ no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement. Some of the items of information were cited in a communication from a c. \_\_ foreign Patent Office. As to this information, the undersigned certifies that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement. VII. FEE PAYMENT (check one) Enclosed please find a check in the amount of \$180.00 for the above-indicated fee. Please charge Deposit Account No. 04-1105 in the amount of \$180.00 for the above-indicated fee.

Applicant: Orwar, et al.

Attorney Docket No. 58072 (47137)

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## **X** No fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule, with a petition if necessary, and charge the appropriate fee to Deposit Account No. 04-1105.

Respectfully submitted,

Date: August 20, 2003

Dianne M. Rees, Ph.D. (Reg. No. 45,281)

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FORM PTO-1449								SERIAL NO.: Not y t assigned			
INFORMA	TIO	N DISCLOSURE		ļ.	APP	LICANT: Orwar, tal					
STATEMENT				-	FILING DATE: GR			ROUP NO.			
					August 20, 2003 No			ot yet assigned			
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INITIALS		NUMBER DA'			E NAME			CLASS	SUBCLASS	IF APPROPRIATE	
	A1	US2003/00222	58A1	1/30/20	003	Lepple-Wienhues	435		29		
	A2	US2002/00742	27A1	<u> </u>		Nisch et al.	20		450		
	А3	US2003/00091	12A1			Hammerle et al.	nerle et al. 6				
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	C1					Code Reader for High- . 2002, 74, 6133-6138		ughput	Screening of	Ion Channel-	
	C2					annel Receptor Agonis d Detector Cells", Ana					
	СЗ	Stromberg, et al., "Microfluidic Device for Combinatorial Fusion of Liposomes and Cells", Anal Chem. 2001, 73, 126-130.									
	C4					Receptor Antagonists U.s", Anal. Chem. 1998,				atch Clamp	
· · · · · · · · · · · · · · · · · · ·	C5	Fishman, et al., "Cell-to-Cell Scanning in Capillary Electrophoresis", Analytical Chemistry, Vol. 68, No. 7, April 1, 1996, 1181-1186.									
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	C7	Klemic, et al., "Micromolded PDMS planar electrode allows patch clamp electrical recordings from cells", Biosensors and Bioelectronics 17 (2002) 597-604.									
	C8	Fertig, et al., "Whole Cell Patch Clamp Recording Performed on Plana Glass Chip", Biophysical Journal, Volume 82, June 2002, 3056-3062.									
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INFORMA <sup>4</sup>	TION	DISCLOSURE		API	PLICANT: O. Orwar,	t al.						
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	A4	5,137,817	8/1	1/1992	Busta et al.		435	173				
	A5	5,501,662		6/1996	Hofmann	604		20				
	A6	5,597,699 1/		./28/1997 Lanzara		435		7.21				
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	B1	WO 90/04645	03/05/19	990 PCT					Yes			
	B2	WO 94/20841	15/09/19	994 PCT					Yes			
	ВЗ	WO 96/10170	04/04/19	996 PCT					Yes			
	B4	WO 97/05922	20/02/19	997 PCT					Abstract			
	B5	WO 99/24110	20/05/19	999 PCT					Yes			
	ОТ	HER DOCUME	nts (inci	UDING	AUTHOR, TITLE, DA	TE,	PERTIN	ENT PAGES,	ETC.)			
	C10 Hamill, et al., "Improved Patch-Clamp Techniques for High-Resolution Current Recording from Cells and Cell-Free Membrane Patches", Pflugers Archiv (1981) 391:85, pp. 100-104.											
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	A7	US 2001/002	9320			Trumbull et al. Farb et al.		600 435	300		-	
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